Idaho Content Standards
Mathematics Concepts And Vocabulary Grade 10

***This word list is not to be taught to students. The list is only reflective of concepts that students may encounter in classroom or state assessments.**

***The words in this list are intended to match the language of instruction to the language of assessment.**

Students are expected to know and apply VOCABULARY from previous grades.

Words in italics indicate that these words may be new for this grade level.

Standard 1: Number and Operation

absolute value
base
billionth
commission
compound
computation
cube
cubed
decimal
decrease
degree
discount
error
evaluate
expanded form
expanded notation
exponent
exponential form
factor
formula
fraction
gain
Greatest Common Factor (GCF)
increase
infinite
interest
irrational numbers
least common denominator
Least Common Multiple (LCM)
loss
lowest terms
millionth
multiple
natural number
negative number
opposite
order of operations
percentage
pi (π)
positive number
prime
profit
radical
rational number
real number
reasonable
reciprocal
repeating decimal
root
rounding
sales tax
scientific notation
sequence
simplify
standard form

Standard 2: Concepts and Principles of Measurement

area
capacity
Celsius
centi-
change
circle

circumference
comparable unit
cone
conversion
cubic unit
customary
cylinder
diagram
diameter
dimensional analysis
direct measurement
distance
equivalent unit
error
estimation
Fahrenheit
formula
height
indirect measurement
kilo-
length
liter
measurement
meter
metric
midpoint
milli-
non-oblique prism
oblique prism
parallelogram
per
perimeter
pi (π)
precision
proportion
quadrilateral
radius
rate
ratio
rectangle
rectangular prism
right square-based pyramid
scale (map)
scale factors
semi-
slope
sphere
square
square unit
surface area
temperature
time
triangle
unit
unit rate
volume
weight
width

Standard 3: Concepts and Language of Algebra and Functions

algebra
algebraic equation
algebraic expression
associative property
change
chart
coefficient
commutative property
constant
cube
cube root
data
dependent
distributive property
equation
expression
factor
first-degree equation
formula
function
functional notation
graph
graphical representation
greater than
identity property
independent
inequality
input

integer
inverse operation
inverse property
interval
less than
linear equation
linear function
linear system of equations
mapping
mathematical model
mathematical relationship
negative relationship
non-linear equation
not equal
notation
numeric expression
order or operations
ordered pair
positive relationship
power
properties
quadratic
quantity
rational number
relation
relationship
rule
sequence
series
setup
simplify
solution
solve
square
square root
substitution
substitution property
symbol
table
unknown
value
variable
zero property

Standard 4: Concepts and Principles of Geometry

acute
adjacent
angle
approximate
arc
area
axes
base
capacity
Cartesian Coordinate System
central angle
circle
circle graph (pie chart)
circumference
complementary
cone
congruent
corresponding angles
corresponding sides
cube
cylinder
diagonal
diameter
dimensional (two- and three-)
dimensions
edge
equation
equilateral
face
figure
geometry
geometric
graph
grid
hexagon
hypotenuse
horizontal
informal trend line
intercepts
intersecting
isosceles
legs of right triangle
line
line segment

linear relationship
logic
mathematical argument
mathematical symbol
midpoint
negative correlation
obtuse
octagon
ordered pair
origin
parallel
parallelogram
pentagon
perimeter
perpendicular
plane
plane figure
plot
point
point of origin
polygon
polyhedra
positive correlation
prism
pyramid
Pythagorean Theorem
quadrant
quadrilateral
radius/radii
rate of change
ray
rectangle
rectangular prism
reflection
regular
rhombus
right angle
right triangle
rotation
scalene
scale drawing
scaling
scatter plot
sector
side
similar
size variation
slant height
slope
spatial relationship
sphere
square
straight angle
supplementary
surface area
symmetrical
symmetry
table
three dimensional
translation
trapezoid
triangle
two dimensional
vertex/vertices
vertical
volume
x-axis
y-axis

Standard 5: Data Analysis, Probability, and Statistic

average
bar graph
box-and-whisker plot
broken line graph
certain
chance
chart
circle graph
clusters
compound event
conclusion
data
decision
dependent event
display
distribution of data
equally likely event
equally likely outcome
event
experiment

experimental probability
frequency
frequency table
gaps
graph
graphical model
high probability
histogram
impossible
increment
independent event
interpretation
interval
line graph
line plot
low probability
median
mean
mode
outcome
outliers
pictograph
pie graph
population
prediction
probability
quartile
random
randomness
range
sample
scatter plot
simple event
simulation
statistical experiment
statistical measure
statistics
stem-and-leaf plot
survey
table
tally mark
theoretical probability